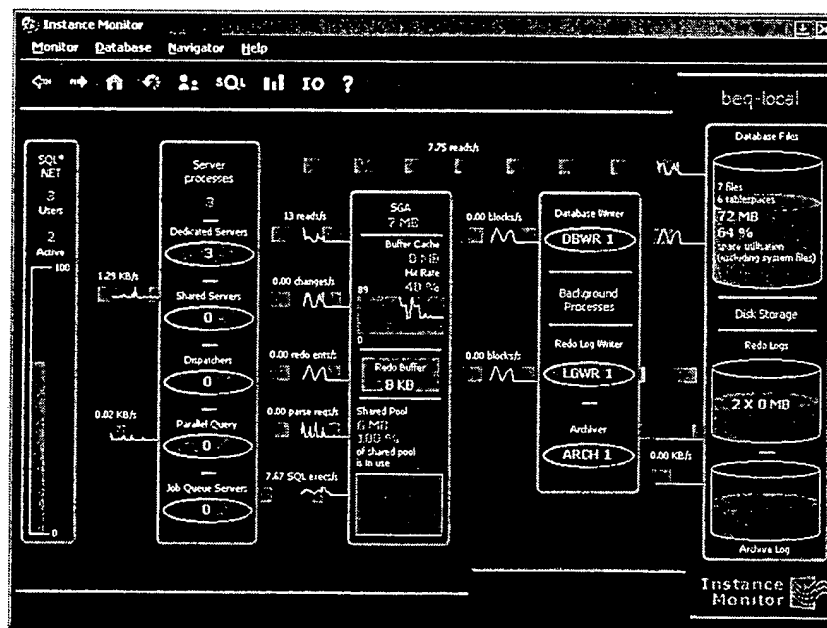- **Presents a visual representation of process flows within an Oracle instance, allowing observation of actual database activity in real time**

- **Identifies bottlenecks visually and provides extensive drill-down capabilities**

- **Displays the details of problem areas, including most active sessions, inefficient SQL, locks & latches, and disk I/O, for rapid problem problem resolution**

- **Snaps into Quest Software's I/Watch for 24x7, unattended monitoring of systems, databases, and applications**

For a busy DBA, using manual methods to monitor every component affecting database performance is nearly impossible. However, without a clear view of I/O and user activity, the DBA learns of performance problems only after bottlenecks form. Instance Monitor™ empowers DBAs with a solution providing every detail needed to quickly identify and eliminate bottlenecks.

The Real-Time Monitoring Solution

Instance Monitor, a Windows-based monitoring and diagnostic solution for Oracle databases, makes real-time monitoring of all database components simple and intuitive. Displaying the actual processing architecture of your Oracle database, Instance Monitor makes it easy to pinpoint the source of problems as they occur and rapidly resolve them. Graphical flows illustrate, in real time, the rate at which data is moving between database components. A map of the database displays the value of key statistics and metrics about the instance, including user activity, I/O activity, and operational overhead.

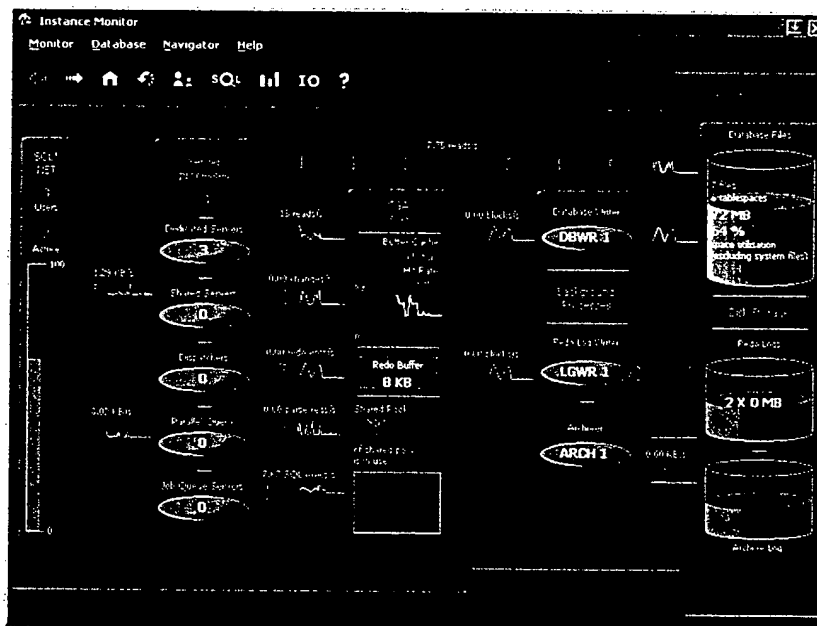*Instance Monitor's intuitive user interface visually represents Oracle database activity,*

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Instance Monitor™

- **Presents a visual representation of process flows within an Oracle instance, allowing you to observe actual database activity in real time**

- **Visually identifies bottlenecks and provides extensive drill-down capabilities**

- **Displays the details of problem areas, including most active sessions, inefficient SQL, locks & latches, and disk I/O, for rapid problem resolution**

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Instance Monitor's intuitive user interface visually represents Oracle database activity, including flow of data between server processes.

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Automatic Problem Detection for Instant Resolution

With Instance Monitor, users can drill down to details, locating in-depth information about the source of a problem. And since Instance Monitor automatically learns the database's behavior, it can warn DBAs of growing problems. Instance Monitor's learning mode establishes a normal activity baseline, automatically setting activity thresholds that, when reached, prompt a visual or auditory alert. With this information in hand, DBAs have time to eliminate bottlenecks before they become critical. From an overview screen, DBAs can view the most active user sessions and SQL statements, locks & latches, wait events, and disk I/O to pinpoint and alleviate problem areas as they occur.
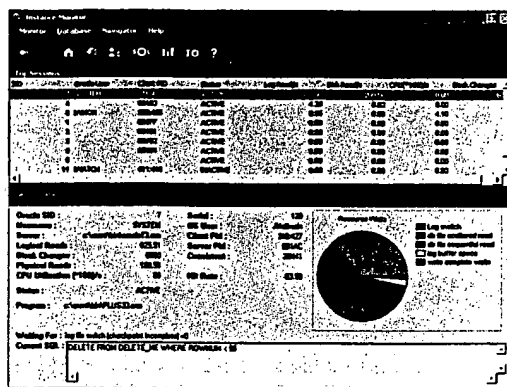
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Main Components

Real-Time Display of Database Activity

Unlike any other database monitoring tool available, Instance Monitor displays a graphical representation of activity occurring in real time between the fundamental components of the Oracle RDBMS architecture. The main screen enables monitoring of such components as I/O, database files, the SGA (Oracle's shared memory area), and Oracle processes.

Pulses travelling between these components represent the relative rate of data transfer and the level of activity within a database.

Instance Monitor's learning mode adjusts to the database's specific workload so that flow rates adjust to the specific performance characteristics of your database.

The I/O summary tab displays detailed information about I/O activity.

Online Oracle Tuning Guide

Instance Monitor's online help provides detailed instructions for tuning and diagnosing Oracle performance problems. Material in the tuning guide was contributed by Quest Software's best selling authors of Oracle tuning and optimization books: Eyal Aronoff, Mark Gurry, and Guy Harrison.

Detailed Session-Tracking Capabilities

The top sessions and session details screens allow DBAs to quickly determine the users who are consuming the most resources. Multiple panels show session details about every aspect of user activity, which allows viewing of current and previous SQL, resource waits, locks, and activity over time.

The Session Details tab lists summary information for the session at hand.

Complementary Solutions Provide Integrated Production Support
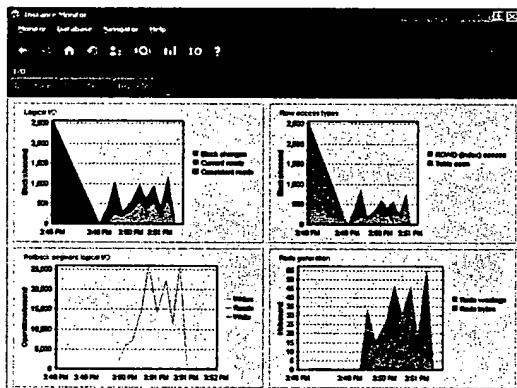
Instance Monitor is just one component of Quest Software's Production Support family, including enterprise monitoring, SQL tuning, space reorganization, and capacity planning. The following Production Support solutions can be launched directly from within Instance Monitor:

- I/Watch,™ the unattended monitoring solution for databases, applications, and operating systems, provides 24x7 surveillance
- Space Manager™ helps resolve space usage problems with space reorganization and capacity planning for databases
- SQLab™ Xpert helps resolve application unavailability caused by resource-intensive SQL by offering automated SQL tuning advice developed by world-renowned Oracle experts.

Environment Support

Instance Monitor requires Windows 95/98/NT and a SQL*Net connection to any Oracle server.

For more information about Instance Monitor or other Quest Software solutions, call 949.754.8000 or visit us at www.quest.com.